

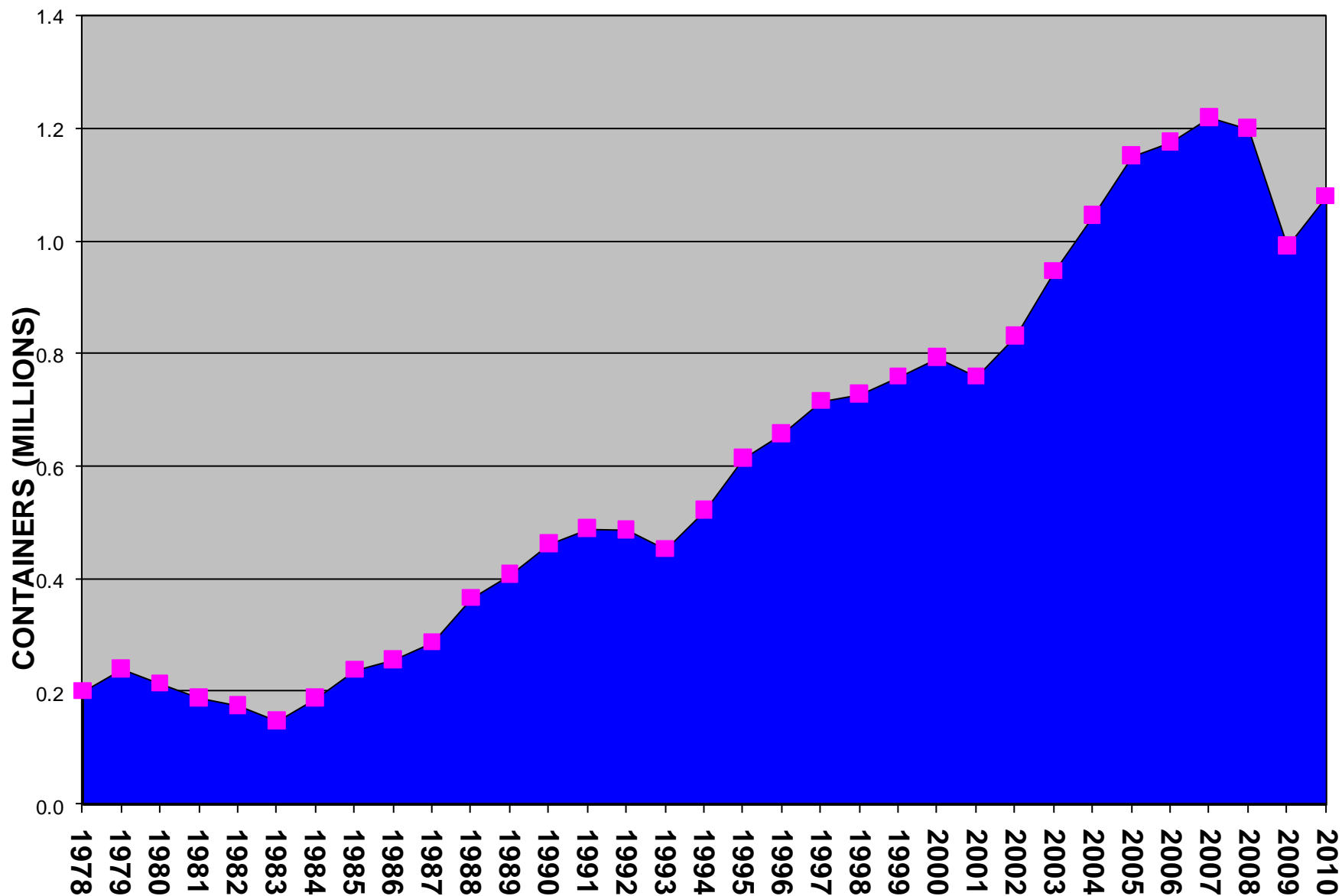


The Port of Virginia Infrastructure Update - Norfolk

Ms. Heather Wood
Director, Environmental Affairs
Virginia Port Authority

February 16, 2012

Historic Port Performance



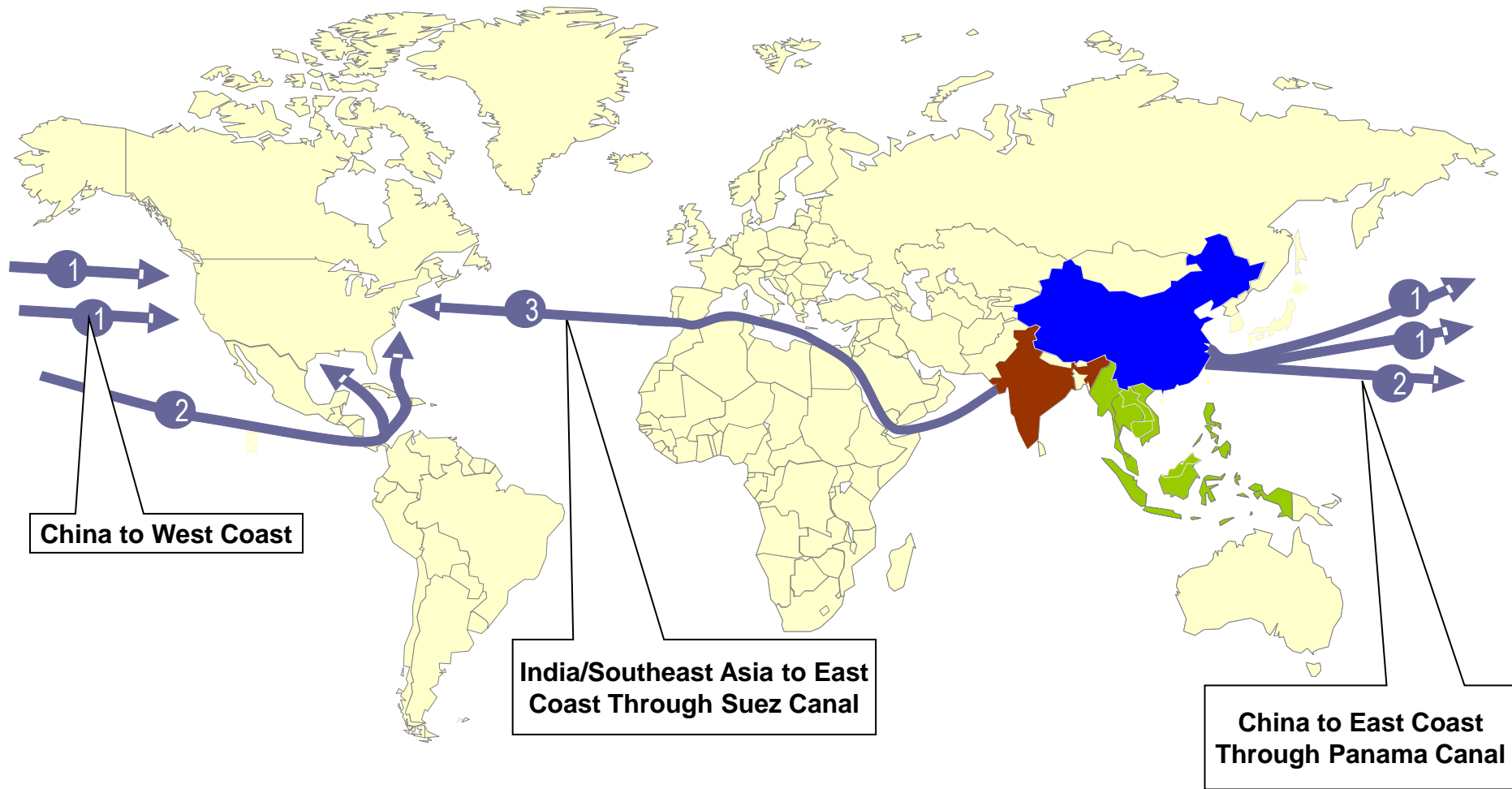
2010 Top 10 U.S. Ports

Rank	Port	TEUs	U.S. Market Share
1	Los Angeles	7,831,902	20%
2	Long Beach	6,263,499	16%
3	New York/New Jersey	5,292,025	14%
4	Savannah	2,825,179	7%
5	Oakland	2,330,214	6%
6	Seattle	2,139,577	6%
7	The Port of Virginia	1,895,018	5%
8	Houston	1,812,268	5%
9	Tacoma	1,455,466	4%
10	Charleston	1,364,504	4%

2010 Top 10 U.S. East Coast Ports

Rank	Port	TEUs	U.S. East Coast Market Share
1	New York/New Jersey	5,292,025	35%
2	Savannah	2,825,179	19%
3	The Port of Virginia	1,895,018	13%
4	Charleston	1,364,504	9%
5	Jacksonville	856,636	6%
6	Miami	844,996	6%
7	Port Everglades	798,150	5%
8	Baltimore	610,918	4%
9	Wilmington (NC)	265,074	2%
10	Palm Beach	216,967	1%

World Trade Lanes Lead to The Port of Virginia

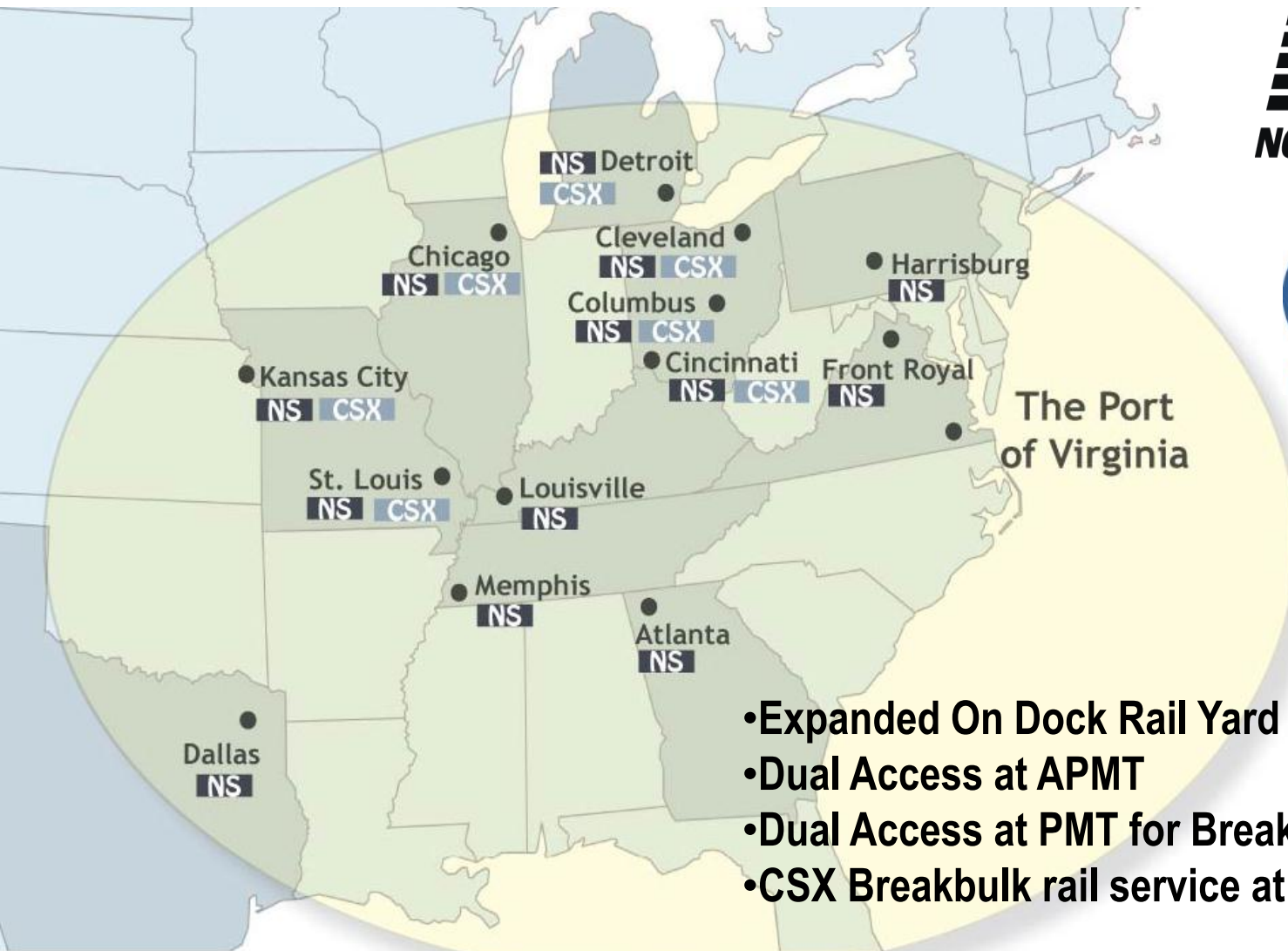


Ideally Located



- Central location along the Atlantic Coast
- Nearly 50 percent of the nation's population and 50 percent of the manufacturing activity are within a day's drive of the Port of Virginia
- Well-developed transportation system provides access to major markets: The 3rd largest state maintained transportation network
- The 3rd largest container port on the U.S. East Coast and the Virginia Inland Port provides an interface between truck and rail services for transfer of ocean-going containers

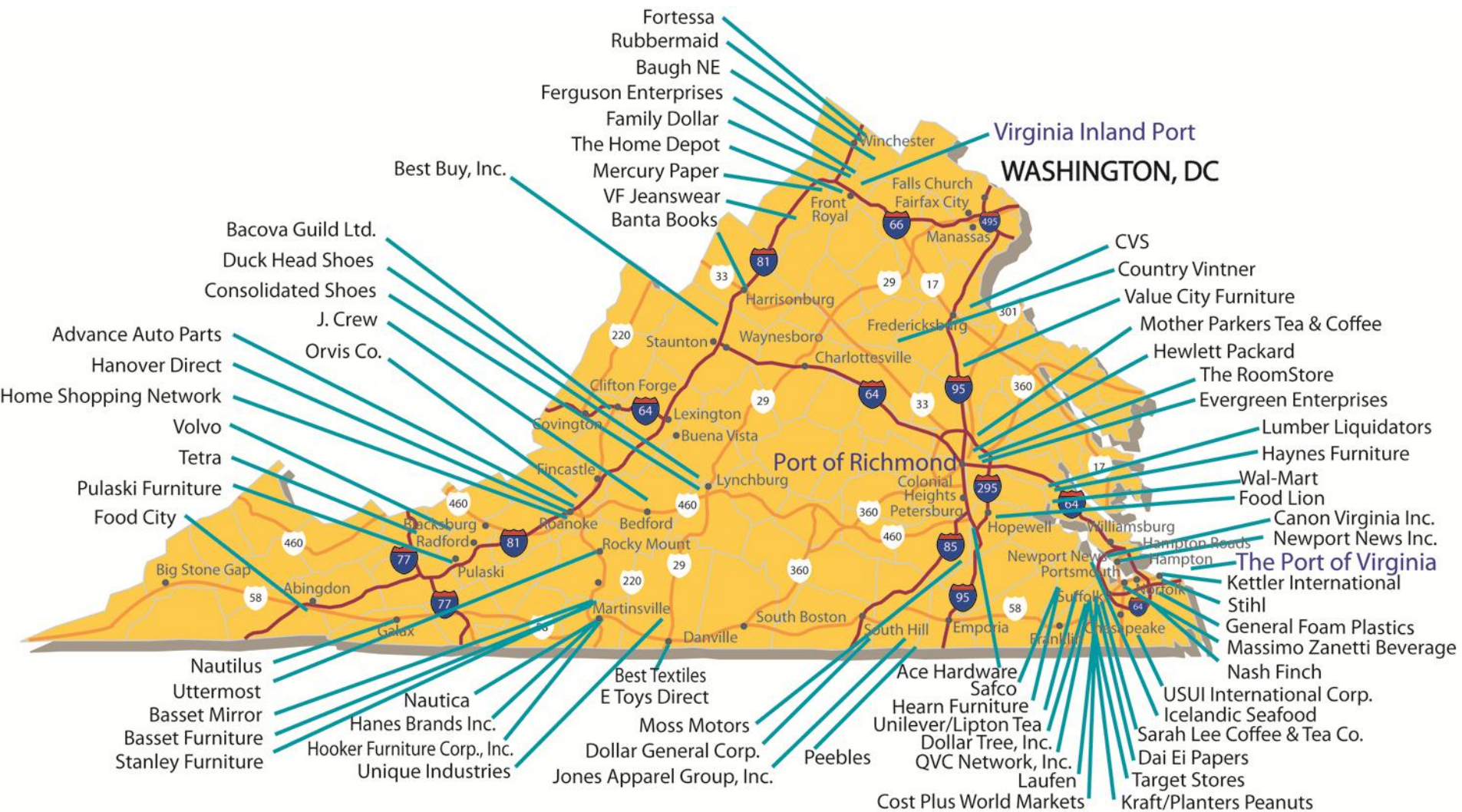
Rail Gateway to the Midwest Serviced by Two Class 1 Railroads



- Expanded On Dock Rail Yard at NIT
- Dual Access at APMT
- Dual Access at PMT for Breakbulk and/or RoRo
- CSX Breakbulk rail service at NNMT

Higher Percentage of Railed Cargo Than Other U.S. East Coast Ports

Selected Distribution Facilities Using The Port of Virginia



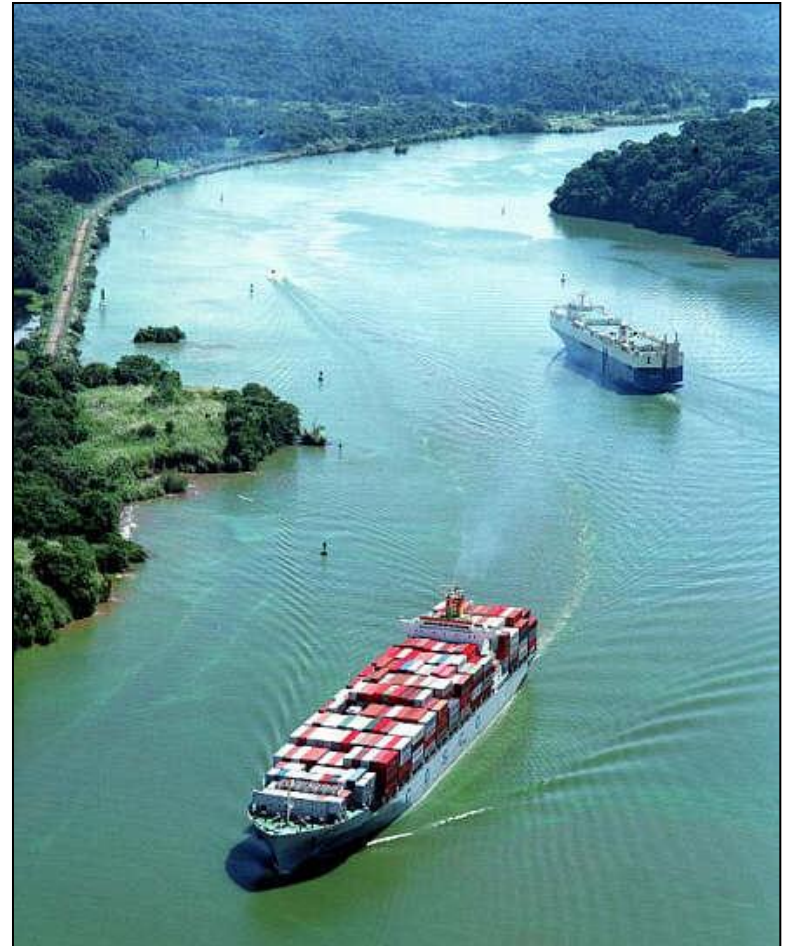
Panama Canal vs. Suez Canal



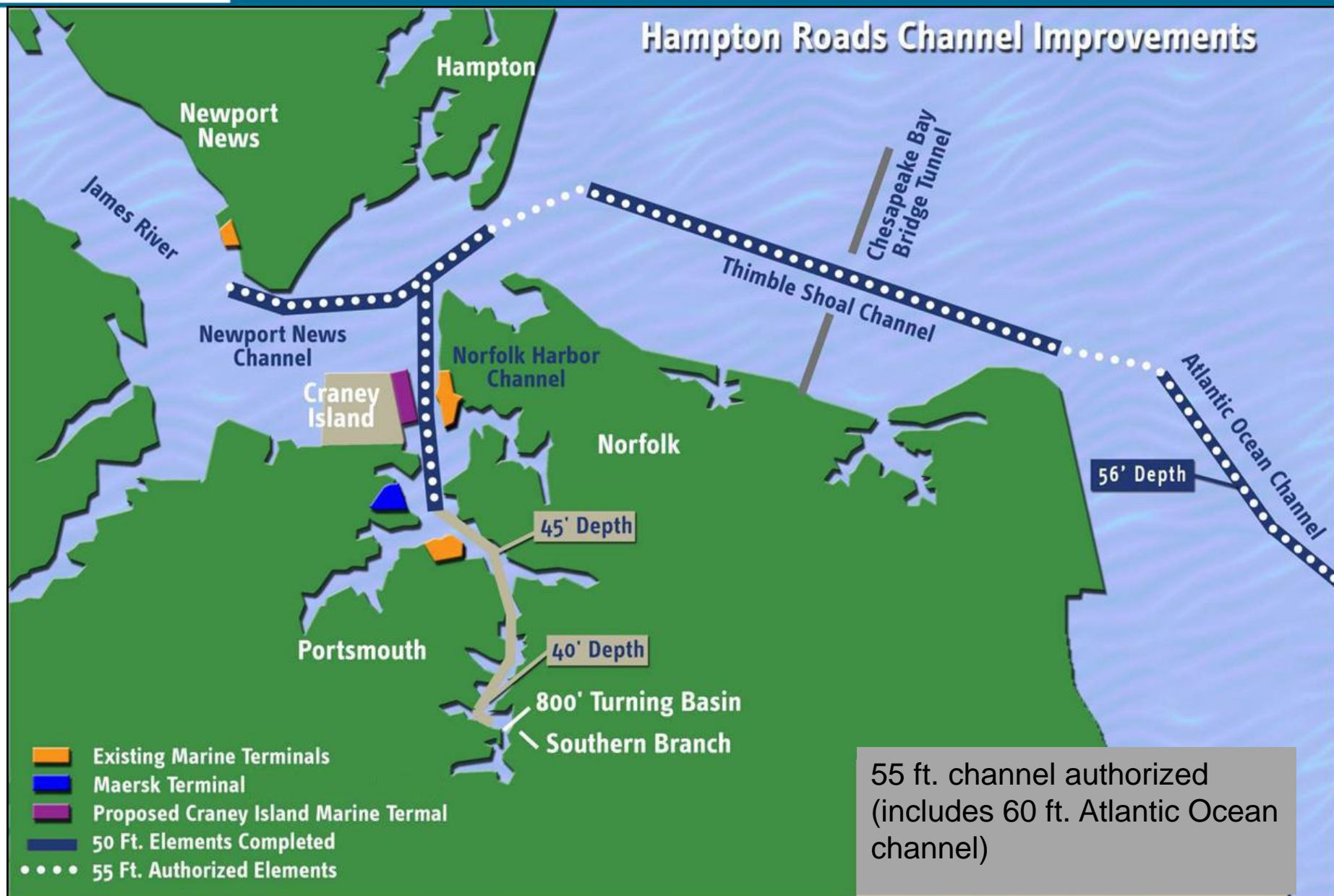
Panama Canal Expansion

Will Increase Business at Port of Virginia

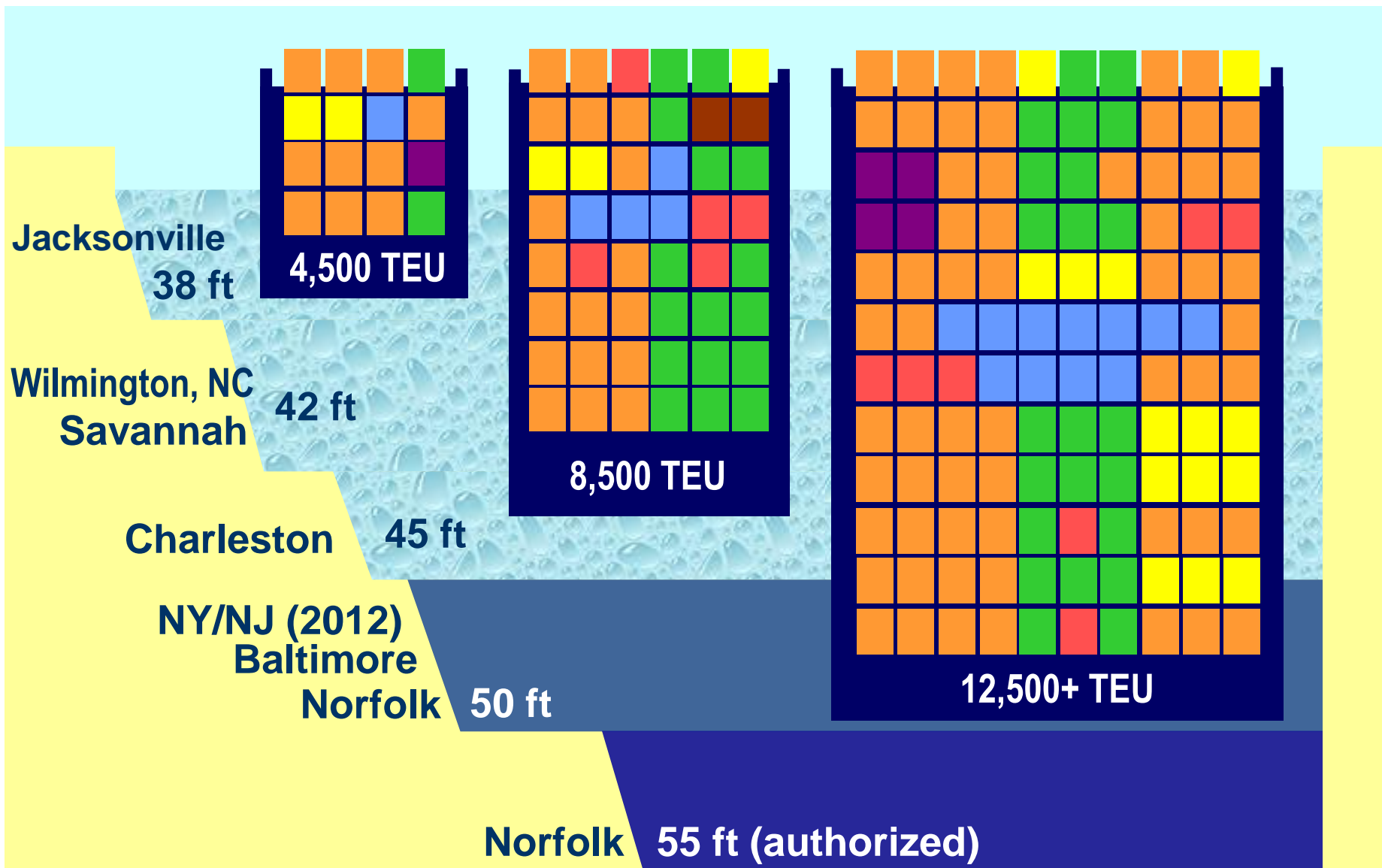
- Route for Asia to Atlantic Ports
- Completion by 2015
- Virginia is the only east coast port with deep enough channels for biggest ships



50 Foot Channel Depth

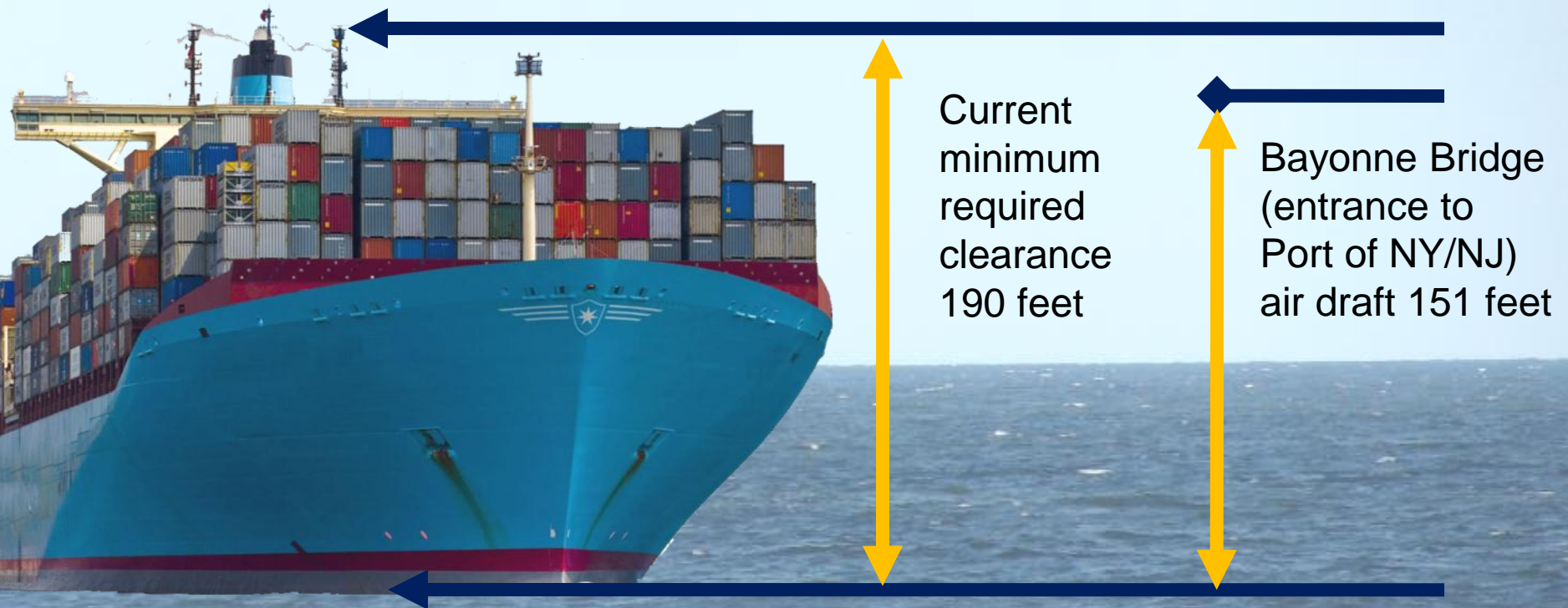


U.S. East Coast Competitive Ports Water Depth



Based on *fully loaded* vessel

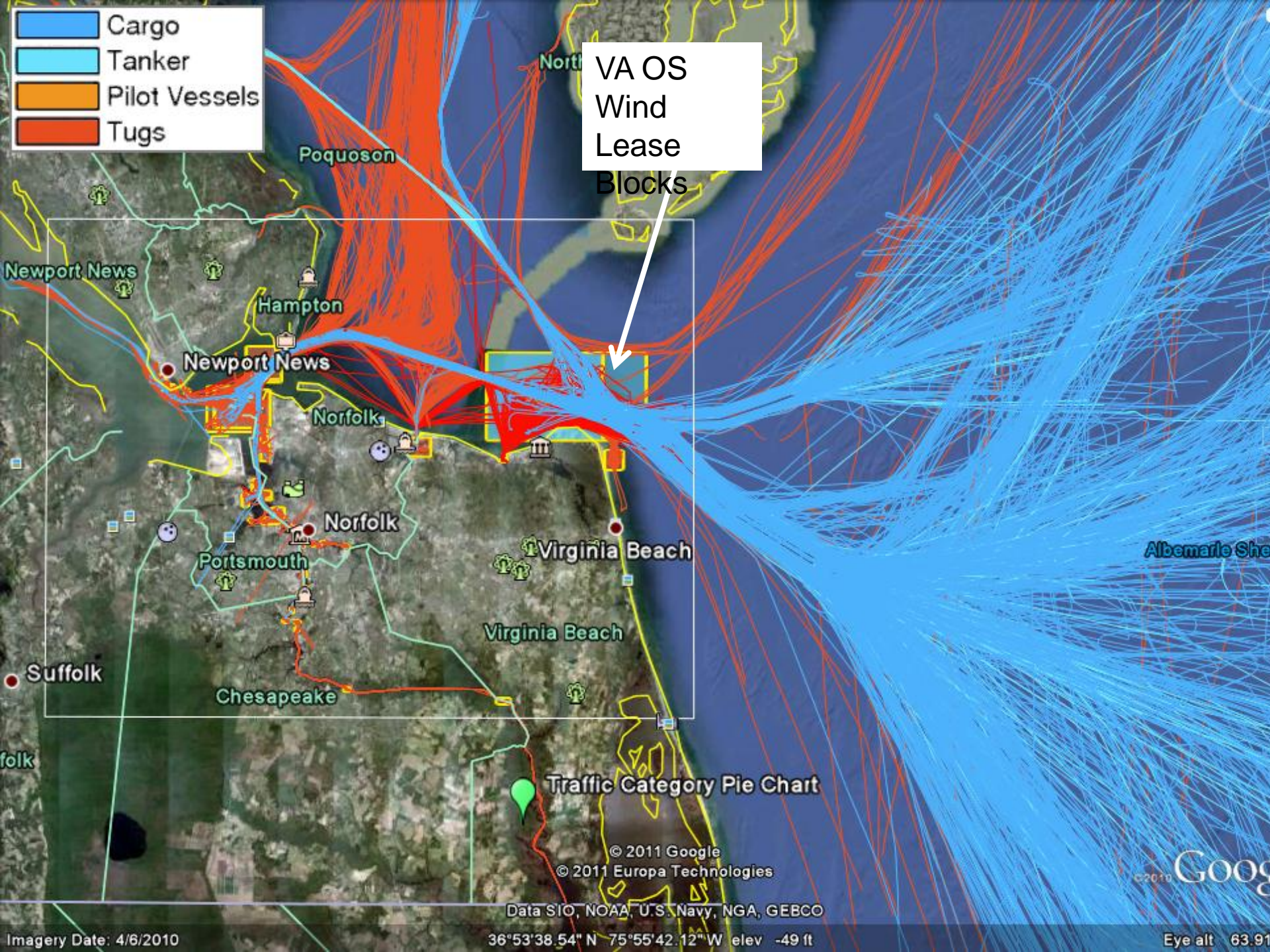
Unobstructed Access



Emma Maersk carries 11,000-13,500 TEUS,
and requires 185-195 feet of air draft



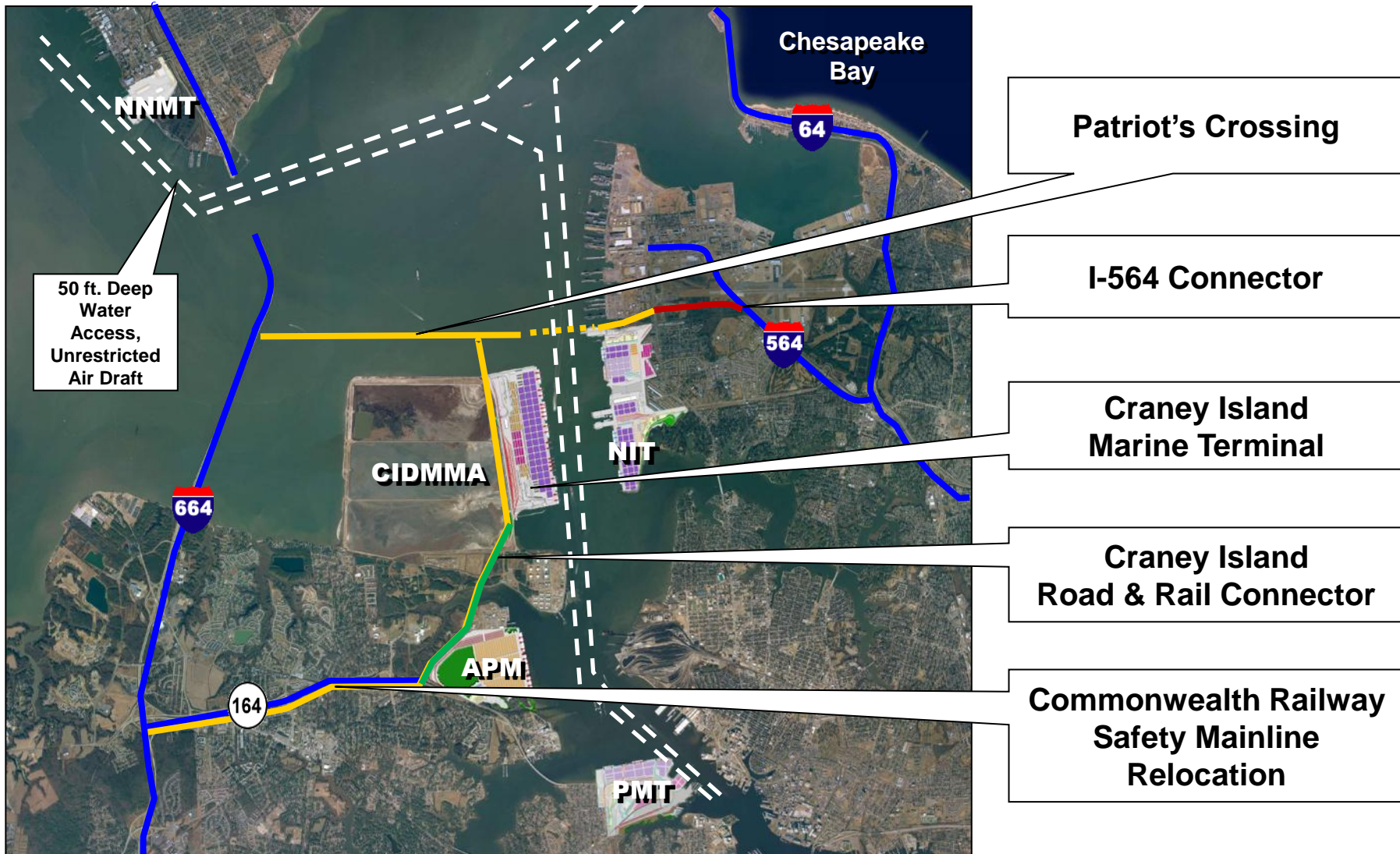
VA OS
Wind
Lease
Blocks



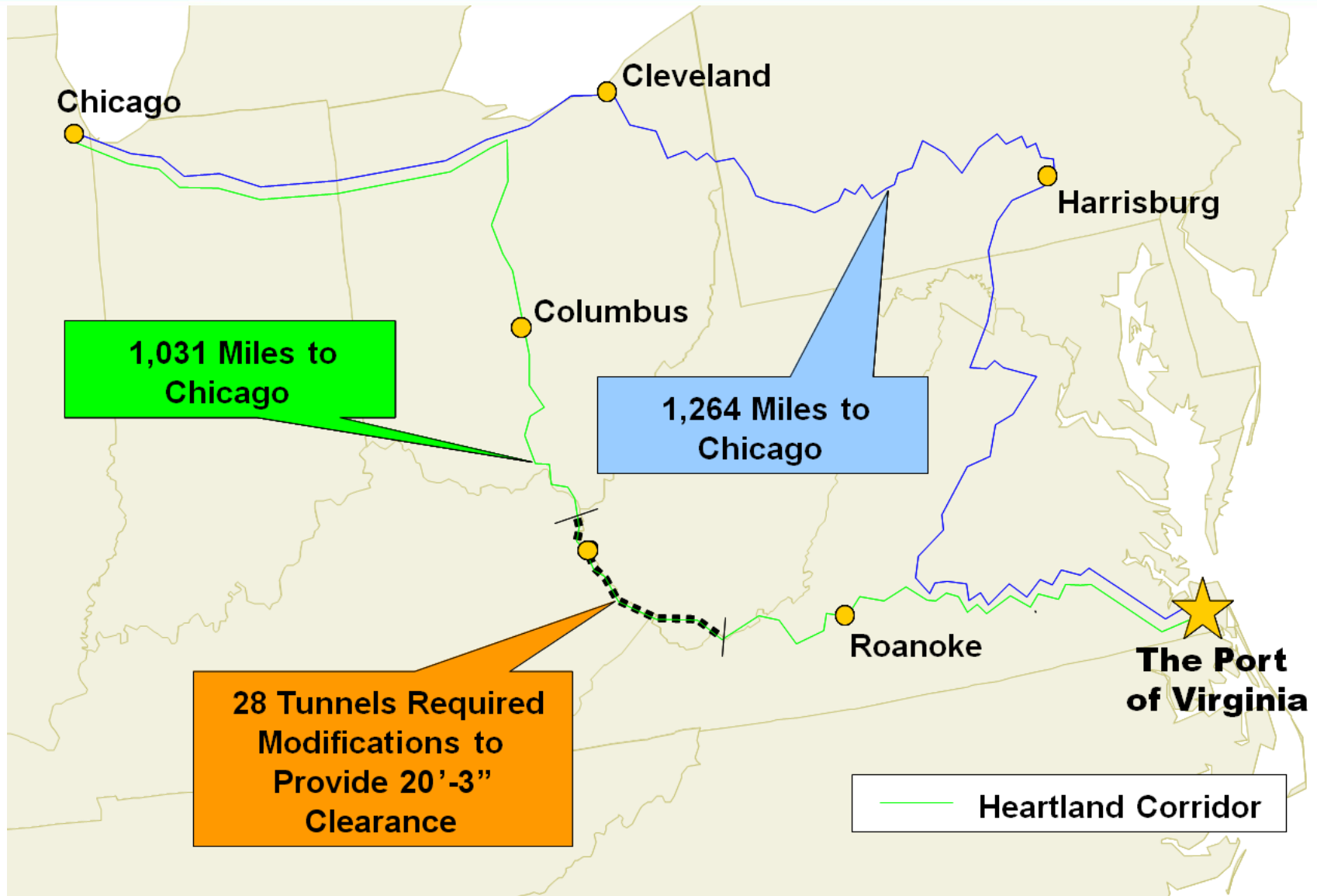
Norfolk International Terminals



Regional Transportation Projects

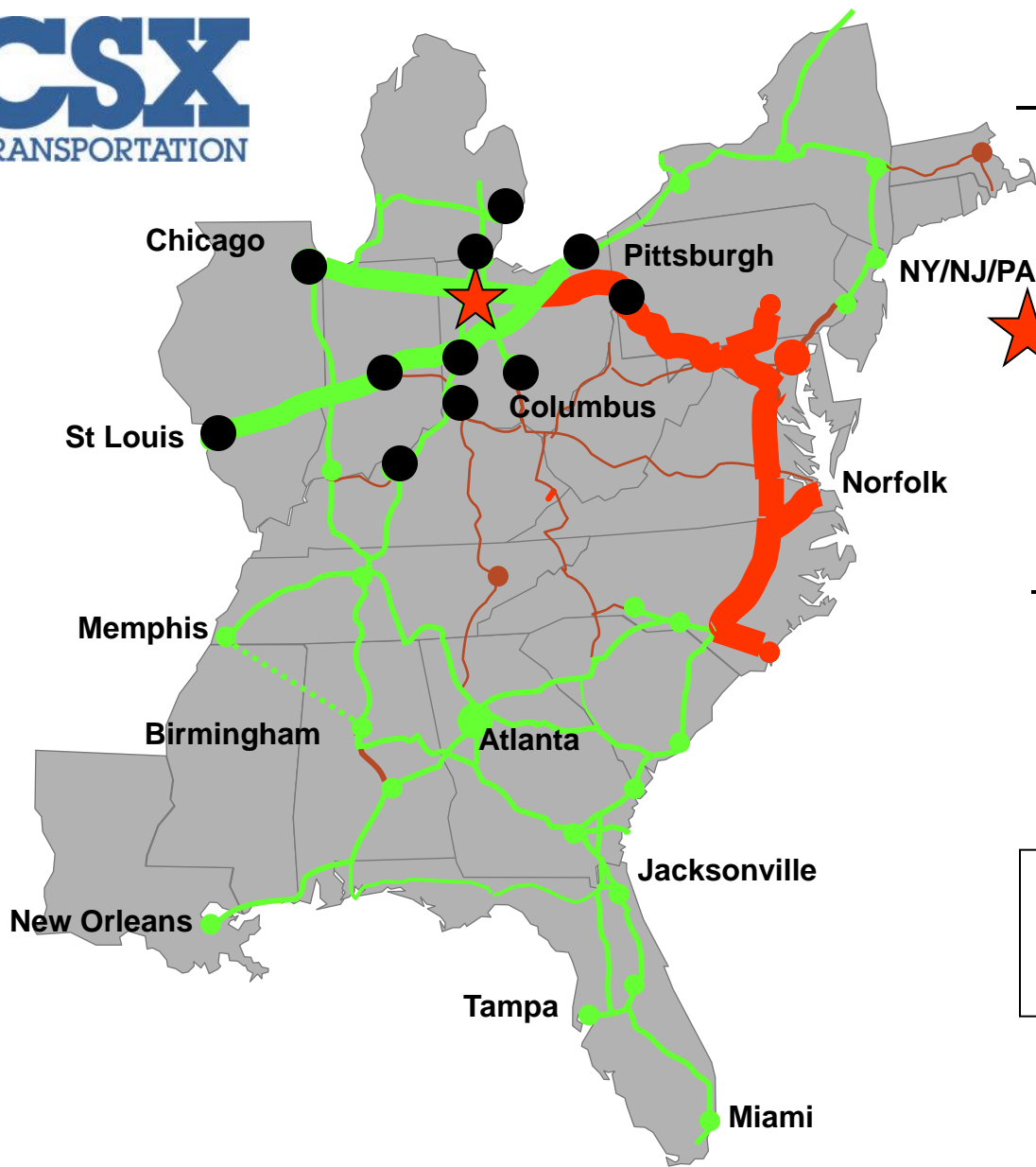


The Heartland Corridor



New route is double-stack eliminates more than 230 miles. Opened Sept. 2010.

The National Gateway






— Connects Norfolk to the Midwest and beyond

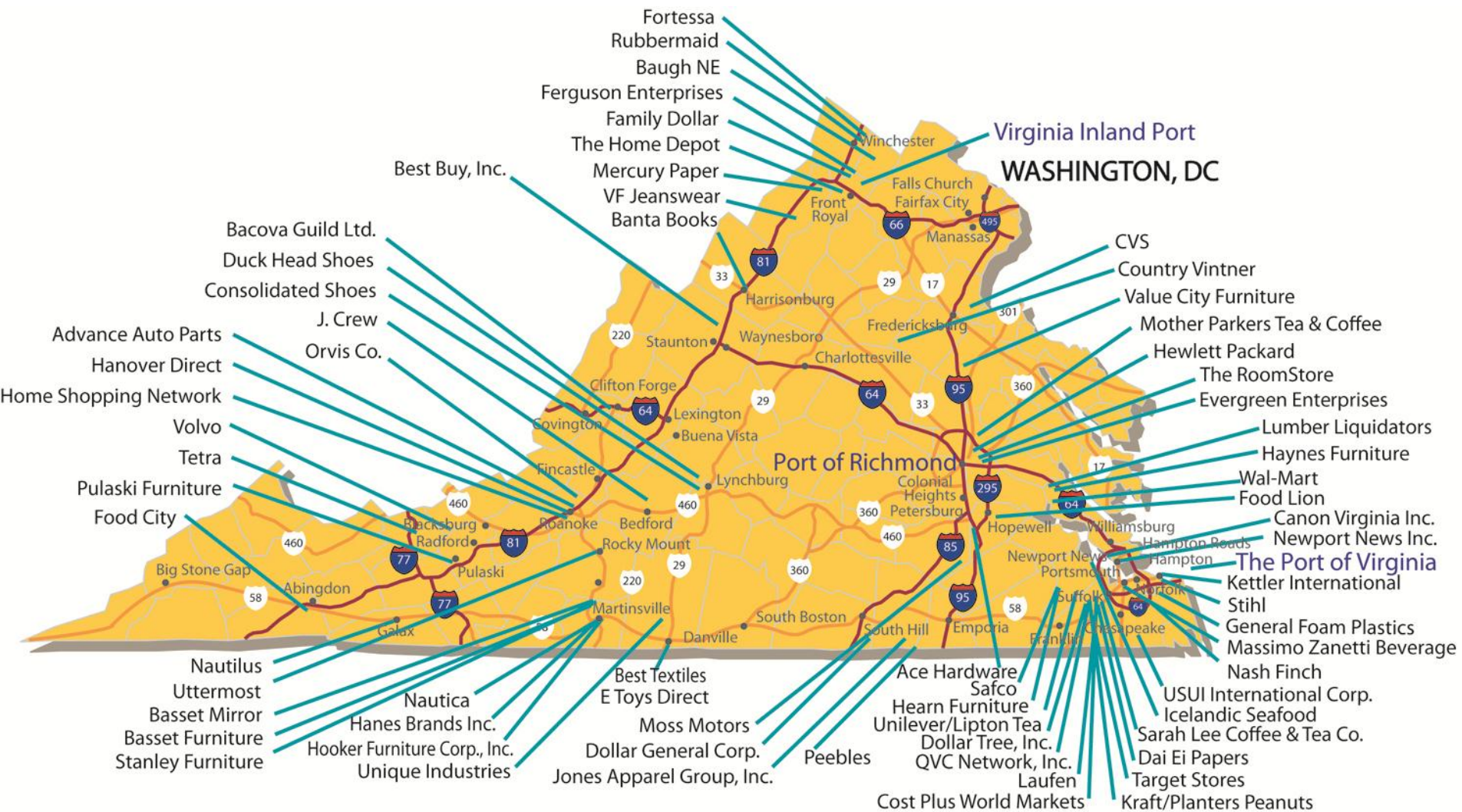


NW Ohio Transfer Yard enables CSX service to new major markets

— Expedites traffic through Chicago and St. Louis gateways

	CSX National Gateway
	CSXT double stack routes
	Other CSXT routes

Selected Distribution Facilities Using The Port of Virginia

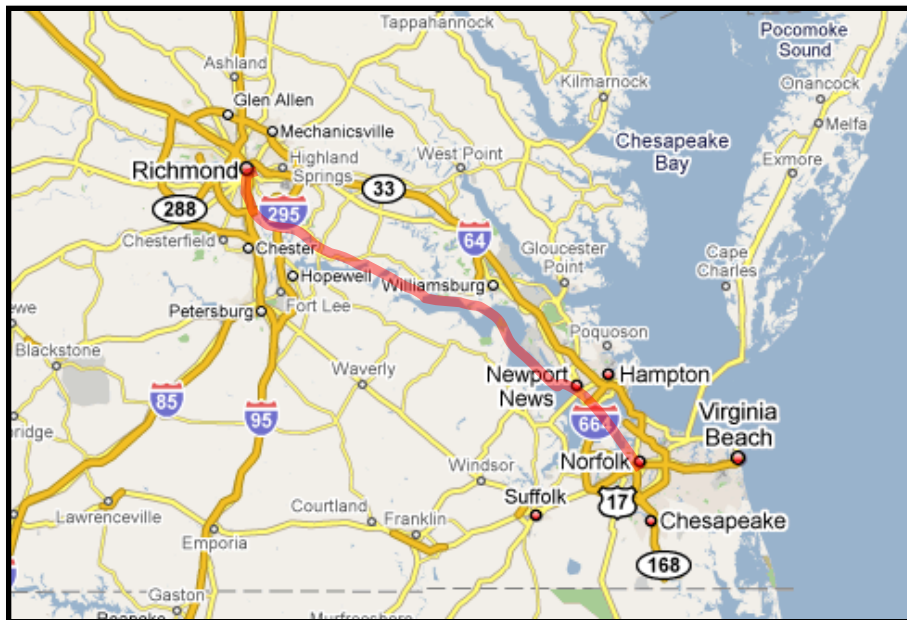


Virginia Inland Port

- Five-day-a-week rail service between the VIP and the Hampton Roads marine terminals
- Within 1 mile of Interstate 66 and within 5 miles of Interstate 81



James River Barge Line – 64 Express



- Weekly calls between the Port of Virginia and the Port of Richmond
- Calls at NIT and PMT
- Door service availability
- Green transportation alternative

- **OPEN FOR BUSINESS – NOW!**
 - 22 Suez/Post-Panamax Cranes
 - 50' - 55' Channel
 - No Air Restrictions
 - 2 World Class Rail Roads
 - \$2B+ Infrastructure Investment
 - Major highway and rail connections to 50% of U.S. population.

How You Can Help?

- Maintain **unobstructed deep water** channels & approaches
- **Safe efficient rail and highway connections** in all but extreme weather conditions
- Continued Data Collection & Dissemination
- Recognize the future of the Port and the Opportunities for Virginia & the East Coast
- Communication & Education



THE PORT OF
VIRGINIA

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